

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph 0001 with the following paragraph.

[0001] This application is a divisional of application Serial No. 10/245,337, filed September 18, 2002, now U.S. Patent No. _____ which is a division of Serial No. 09/584,138, filed May 31, 2000, now U.S. Patent No. 6,477,410 of common assignee herewith, the entire contents of which are incorporated herein by reference.

Please replace paragraph [0009] with the following amended paragraph:

[0009] For example, by employing the device and the applicator hereof, it is possible to electrokinetically deliver medicaments such as anti-virals, for treating human papilloma virus, (HPV), e.g., warts (common, flat, plantar and genital), examples of which are Imiquimod® sold as Aldara™ by 3M for genital warts, a type (HPV), Acyclovir®, sodium salicylate, tretinoin, benzoyl peroxide, bleomycin, interferons, Podocon-25, OTC products such as Wart Off by Pfizer and Compound W by MedTech or anti-picornavirus class substances, e.g., Pleconaril, to treat coughs and colds, anti-inflammatory medicaments such as dexamethasone and anti-bacterial agents, proteins, as well as steroids and salts thereof, non-steroidal anti-inflammatory drugs (NSAIDs), and salts thereof, hormones, cytokines, viruses, bacteria, DNA, RNA, (and fragments of both), antihistamines, oligonucleotides, anti-proliferative agents (cancer), specifically 5-fluorouracil (5-FU) and cisplatin, Efudex, or a combination of 5-FU and soviudine, anti-angiogenics such as thalidomide, antibiotics, peptides and peptidomimetics and assemblages of amino acids, phenols and polyphenols, an example of which is PolyphenonE and cosmetic agents, such as retinoids, e.g.,

hyaluronic acid, vitamins and/or water, skin bulking agents, e.g., collagen, reactive monomers which may polymerize under the skin in non aqueous carriers and be activated by water, botulinum toxins, e.g. botox, bleaching agents, e.g., Eldopaque 4% by ICN Pharmaceuticals, or a combination of Ketorolac, hydroquinone 4%, Glycolic Acid, lactic acid with suitable vehicle and anesthetics, such as lidocaine, xylocaine, prilocaine, prilocaine, fetanyl, remifentanil, sufentanil, alfentanil, novocaine, procaine, morphine HCL and EMLA either in stand alone fashion or with a vasodilator such as epinephrine. Also, medicaments which inhibit fusion between the plasma membrane and viruses and other adventitious agents to prevent entry by viruses and/or other adventitious agents into cells may also be electrokinetically delivered, e.g., behenyl alcohols such as ~~n-dodecanol~~ n-docosanol, its analogs or derivatives. Hair growth may be stimulated by Propecia (finasteride), minoxidil, blocking antidihydrotestosterones or antidihydroestrogens. Hair removal may be accomplished by dyeing the hair and or hair root to facilitate removal by laser means or by electrokinetically using, e.g., dihydrotestosterone or dihydroandrogens or dihydroestrogens. Using pigments, tattoos, either temporary (reversible) or permanent may be applied to a treatment site and tattoos when permanent may be removed using suitable medicaments and the instant invention. Water soluble dyes and decals or templates may be employed in conjunction with the device and applicators. Prostate conditions e.g., prostatitis may be treated with antineoplastics. Additionally, the diagnostic sweat test for cystic fibrosis using pilocarpine, peripheral vascular disease using vasodilators, eye (corneal) treatment using fluorescein, acne treatments with one or more steroids, NSAIDs, such as

ketorolac or medicaments such as Benzamycin, benzoyl peroxide, cleocin, T-Stat, over the counter (OTC) products two examples of which are Clearasil and Benzac or Accutane, tazarotene sold as Tazorac, adapalene sold as Differin by Allergan and Galderma respectively or azelaic acid, a topical cream also sold by Allergan, erythromycin as well as combinations of such medicaments may be electrokinetically delivered. Psoriasis may be treated with an antimetabolite, retinoids, synthetic vitamin D, i.e., calcipotriene, cyclosporin A (CSA), Aristocort, from Lederle, anthrax-derm, by Dermik, methotrexate, cortisone like compounds psoralen or anthralin. Eczema and contact or atopic dermatitis may be treated with corticosteroids or antihistamines. Spider veins may be treated with antiangiogenics, or coagulants (clotting factors or fragmented cellulose polymer). Fluoride treatment of exposed single site hypersensitive dentin may be performed with this device and applicator system. Canker sores and RAS may be treated with, e.g., benzoin or sodium fluoride. Post herpetic neuralgia may be treated with local anesthetics mentioned throughout this disclosure and/or with antivirals, e.g., Acyclovir or combinations of anesthetic and antiviral. Erectile dysfunction may also be treated (transcutaneously at site of concern) using prostaglandins such as PGE or alprostadil, nitroglycerin, and the like or papaverine, yohimbine and the like or sildenafil citrate, i.e., viagra, or apomorphine HCl. Other diagnostic uses i.e., removal or extraction of animal or human bodily material, e.g., fluids, versus delivery of medicament include as examples, allergy screening, e.g., using an electrode mounted array of antigens with a multiplexed-multi-channel application electrode, glucose monitoring and drug testing using electrode mounted

specific binders (binder assay) combined with reverse iontophoretic plasma extraction. As a further diagnostic application, body material such as fluids can be extracted into a pad on the electrokinetic device, for example, by reverse iontophoresis. Wounds such as scrapes, cuts, burns, plant allergies, punctures and insect bites or stings can be treated with antihistamines, antibiotics, anti-infectives such as bacitracin, Diprolene, topical steroids, and the like, aloe or aloe containing products or OTC products such as Ambesol, Lanocaine and the like, other wound healing agents, such as epidermoid derived growth factors as well as peptides that modulate the inflammatory response and modulators of collagen deposition and modeling as well as other wound healing agents all electrokinetically delivered. Pre-treatment may also include desensitizing agents such as the aforementioned analgesics or salicylic acid. Pruritis, dry skin and keratosis may also be treated using, cortisones and the like, Benadryl itch crème, Lazer crème or EMLA and the like. Actinic keratoses may be treated by electrokinetic delivery of aminolevulinic acid as well as other established antimetabolite agents such as methotrexate, 3% DICLOFENAC IN 2.5% hyaluronic acid, 5FU, 5FU and isotretinoin, and the like. Bursitis or mild arthritis may be treated with magnesium sulfate or Doroc from Genderm.